



**NOTES:**

1. BACKFLOW PREVENTION REQUIREMENTS APPLY AT EACH SERVICE CONNECTION. CONTACT PID FOR QUESTIONS REGARDING BACKFLOW PREVENTION INSTALLATION AND POLICY REQUIREMENTS.
2. BACKFLOW PREVENTION ASSEMBLY SHALL BE A REDUCED PRESSURE PRINCIPLE (RP) ASSEMBLY CERTIFIED BY USC FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH. ASSEMBLY SHALL BE LOW LEAD IN COMPLIANCE WITH NSF 61, WILKINS 975XL2.
3. NO TAPS/ CONNECTIONS ARE PERMITTED ON THE UTILITY SIDE OF THE BACKFLOW PREVENTION ASSEMBLY. BACKFLOW PREVENTION ASSEMBLY TEST COCKS SHALL BE USED FOR TEST PURPOSES BY CERTIFIED PERSONNEL ONLY.
4. ALL UTILITY SIDE PIPING AND FITTINGS DOWNSTREAM OF THE METER COUPLER SHALL BE METALLIC AND MECHANICALLY JOINED. UNIONS SHALL BE INSTALLED ON VERTICAL RISERS.
5. DISTANCE "X" SHALL BE ENCASED IN SCHEDULE 40 GALVANIZED PIPE WITH MINIMUM ANNULAR SPACE, FROM THE METER BOX TO THE POINT WHERE THE PIPE LEAVES THE GROUND.
6. UPON COMPLETION OF INSTALLATION AND PRIOR TO RECEIVING SERVICE THE BACKFLOW PREVENTION ASSEMBLY MUST PASS FUNCTIONAL TESTING PERFORMED BY A DISTRICT APPROVED CA-NV AWWA CERTIFIED BACKFLOW ASSEMBLY PREVENTION TESTER.
7. BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED IN DIRECT ALIGNMENT TO THE FLOW OF METER ORIENTATION. INSTALLATION OF A BACKFLOW PREVENTION ASSEMBLY PERPENDICULAR TO THE FLOW OF METER ORIENTATION SHALL ONLY BE ALLOWED UPON PRIOR APPROVAL BY PID. IF PERPENDICULAR ORIENTATION IS APPROVED SWING JOINT MAY BE USED, FITTINGS SHALL BE KEPT TO A MINIMUM.
8. BODY OF BACKFLOW PREVENTION ASSEMBLY SHALL BE LEVEL SO THAT NO BACK PRESSURE IS APPLIED ON EITHER INTERNAL CHECK VALVES. ADJUST VERTICAL RISERS AS NEEDED TO ACHIEVE THIS.
9. THE BOTTOMMOST PORTION OF THE BODY OF THE BACKFLOW PREVENTION ASSEMBLY SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 15" ABOVE GRADE.
10. BALL VALVE 10 SHALL BE BRASS LEAD-FREE, WATTS LFFBV-3C OR EQUAL. BALL VALVE IN METER BOX SHALL BE INSTALLED WITH HANDLE IN THE CLOSED POSITION FACING UP. BALL VALVE ON RISER OF BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED WITH HANDLE IN THE CLOSED POSITION FACING THE INSIDE OF THE BACKFLOW PREVENTION ASSEMBLY.
11. A FROST PROTECTION BAG SHALL BE INCLUDED AS PART OF THE INSTALLATION OF THE BACKFLOW PREVENTION ASSEMBLY. B&E SECURITY COVERS 24"x24" INSULATION COVER (SC2424) FOR 1" BACKFLOW PREVENTION ASSEMBLY, 36"x24" (SC3624) FOR 1.5" AND 2" BACKFLOW PREVENTION ASSEMBLIES.



**PARADISE IRRIGATION DISTRICT  
STANDARD DRAWING**

**PID-15**

SHEET 1 OF 1

**RP INSTALLATION FOR DOMESTIC  
CONNECTIONS UP TO 2"**  
(FOR DISTRICT OWNED BACKFLOW PREVENTION DEVICES)

DRAWN WWE CHECKED CDB  
DATE APRIL 2021  
NO SCALE